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LIS

LEADTIME UPDATES

USER GUIDE

MAY 1998

PREFACE

This user guide does not contain any screen or input data by the Inventory Manager. It is published for the purpose of familiarizing all concerned with the methods used for computing Leadtime.

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1.0 OVERVIEW

1.1 GENERAL DESCRIPTION

The Leadtime processes is a function in the Inventory Management of LIS. The Leadtime is updated in the Master Inventory record in May and November of each year. The update program that is run in May is just prior to the budget processes. The data is stored for the last six months in segments that will be described per function.

1.2 BENEFITS

This method of computing the various types of leadtime will provide more accurate data in the Master Inventory record; better budget projections; an improved managerial tool and more accurate stockage objectives.

1.3 SECURITY LEVELS

Since the various leadtime fields are contained in the Master Inventory record, security levels that are authorized to view, adjust, post issues and receipts, adjust quantitative fields, and accomplish file maintenance are authorized to view leadtime; however only security levels 2-3-4-5 can perform File Maintenance on the Leadtime Field [Excluding the Issue and Return Time (I&R)].

1.4 STANDARD NOTATION FOR INPUT FROM THE KEYBOARD

Throughout the LIS USER GUIDE, the following conventions will be used consistently to indicate user keyboard entry

EXAMPLE:

When the user sees	It represents...	Example...
[ ] (square brackets)	a specified key that should be pressed.	**[ENTER]**
< > (greater than & less than)	the data to be input	**<99>** **<01>**
ALL CAPITAL LETTERS	a data or field name	TRANSACTION CODE CONTROL NUMBER
BOLD CAPS	information from the actual screen	**<99> - TO CANCEL OR RETURN TO LIS MAIN MENU**
Press	instructions to depress a key or keys	Press [ENTER]
Input	instructions to type the specified input	input option NUMBER <2>
NOTE:	important information	NOTE: Set printer for 132 column output
[keyname]-[keyname]	combinations of keys to press together	Hold the first key down, press the second

2.0   LEADTIME

2.1   GENERAL

General is that data that pertains to all types of leadtime and is discussed only one time as follows:

The Issue and Return time is that period of time that expires between the exchange and repair issue date until the repairable asset is received at the FAA Logistics Center.

The procurement leadtime (including Fedstrip/Milstrip) is that period of time that elapses between the breakdate and the date the ordered material is placed in the storage location and is available for issue.

The repair leadtime is that period of time that elapses between the repair breakdate and the repaired material is placed in the storage location and available for issue.

Data for all types of leadtime will be collected daily, computed monthly and stored in segments for the most recent 6 months as per:

Month 1> Month 2> Month 3> Month 4> Month 5> Month 6> = Out

current   2 Mo. old   3 Mo. old   4 Mo. old 5 Mo. old   6 Mo. old = Out

Leadtime will be computed and stored in days by segments:

A. <u>Issue and Return Time:</u>

Issue Date

Date the repairable asset is received at FAALC

B. <u>Procurement Leadtime:</u>

Commercial Leadtime

Segment 1.   Break date to Purchase Request (PR) date

Segment 2.   PR-date to Purchase-Order (PO) date

Segment 3.   PO to dock

Segment 4.   Dock to storage

FEDSTRIP/MILSTRIP Leadtime

Segment 1.   Break-date to FED/MIL REQUISITION date

Segment 2.   GSA/DOD to dock date

Segment 3.   Dock to storage

C. Repair Leadtime

FAALC/AVN Shops
Segment 1.   *Repair Break Date to Issue Date

Segment 2.   **FAALC/AVN Shops Repair Time

Segment 3.   Dock to Storage

NOTE: Currently the Depot Support (DS) system enters a constant 30 in this field. After LIS interfaces with Production Control this will be a true computation and will reflect various computations, but the excessive days will continue to be 31 days.

****NOTE:***   This time allows 5 days for the warehouse to pull and deliver material to the FAALC/AVN Shops.

Commercial
Segment 1.   Break-date to PR date
Segment 2.   PR Date to PO date
Segment 3.   *PO to Dock
Segment 4.   Dock to Storage

NOTE: This time allows 15 days for pulling, packing and shipping the material to the Commercial repair source.

Segments will be computed monthly (based on activity during the (month). The source will be the current month's transaction history.

If one of the fields used for computing leadtime does not contain a value, the transaction is discarded. The values resulting from the computation will be stored in periods by NSN and will be used in computing the final leadtime that will be entered in the Master Inventory record.

Transaction code modifiers must be blank.

The selected transaction MUST be identified as a "completed action" in the Transaction History file. The transaction must reflect a priority code 5.

If the final computation will result in a change of leadtime, the new value will be entered in the Master Inventory record semi-annually in May and November; however, if the applicable lead time segment is frozen, the leadtime will not be updated.

If the leadtime is less than <1> month - it will be set at <1>.

The leadtime field of the Master Inventory record can be file maintained but the segments in the leadtime update data base cannot be file maintained.

2.2   ISSUE AND RETURN TIME

Receipt transaction codes 56 and 58 are used to select data for computing Issue and Return Time.

The I & R field in the Master Inventory record is automatically updated and cannot be updated via the File Maintenance program.

2.3   PROCUREMENT LEADTIME

CATEGORY CODES:

NAS   -3, 4, 5, 6 - Commercial Procurement

Aircraft   -D, E, F - Commercial Procurement

TRANSACTION CODES:

Receipt Transaction Codes 40 - 42 - Commercial Procurement.

Receipt transactions 40R - 42R are matched to the original processed Receipt Voucher Number reflecting Receipt Transaction code 40 - 42, applicable Due-In Control Number and National Stock Number and if all three elements match and if both transactions occurred in the same month, discard both transactions. If each transaction occurred in a different month or if all of the elements do not match, discard the transaction with the R modifier and allow the original transaction computation to remain "as-is".

2.4   FEDSTRIP/MILSTRIP LEADTIME

CATEGORY CODES:

NAS   1 - 2 - 7

AIRCRAFT   G

TRANSACTION CODES:

Receipt Transaction code 44 - FEDSTRIP/MILSTRIP

Receipt transaction 44R is matched to the original processed Receipt Voucher Number reflecting Receipt Transaction code 44, applicable Due-In Control Number and National Stock Number and if all three elements match and if both transactions occurred in the same month, discard both transactions. If each transaction occurred in a different month or if all of the elements do not match, discard the transaction with the R modifier and allow the original transaction computation to remain "as-is".

2.5   REPAIR LEADTIME - EXCHANGE AND REPAIR

CATEGORY CODES:

NAS E&R   - 6 - FAALC Shops and Commercial Repair

ACFT E&R   - F - AVN Shops and Commercial Repair

TRANSACTION CODES:

Receipt Transaction Code 54 for FAALC or AVN Shops repairs. Receipt Transaction Code 55 for Commercial repaired items.

Issue Transaction Code 81 and 81C - FAALC or AVN Shops repairs. Issue Transaction Code 92 and 92C - Commercial repaired items.

Receipt transactions 54R, 55R are matched to the original processed Receipt Voucher Number reflecting Receipt Transaction code 54-55, applicable Due-In Control Number and National Stock Number and if all three elements match and if both transactions occurred in the same month, discard both transactions. If each transaction occurred in a different month or if all of the elements do not match, discard the transaction with the R modifier and allow the original transaction computation to remain "as-is".

Issue transaction code 93 and receipt transaction code 59 were not considered in this mechanical process due to the lack of and/or limited business in this area. If such a transaction processes, the Inventory Manager must update the RLT via Field File Maintenance programs.

Issue transaction code 94 and receipt transaction code 60 are not practical for computing leadtime due to the nature of the action to be taken.

3.0   REPORTS

3.1   SEMI-ANNUAL REPORTS

The Leadtime Update Program will furnish two reports semi-annually in May and November of each year that will reflect the old and new computed leadtimes and are identified as the Procurement Leadtime Update Report number LG852-1 (Pg. 12) and the Repair Leadtime Update Report Number LG852-2 (Pg. 13). These two reports are in IM sequence (Major) and NSN (minor) and only reflect those NSN's on which the leadtime was changed.

3.2   MONTHLY REPORTS

The Leadtime Update Program will furnish three reports monthly as per.

A. Monthly Procurement Leadtime Report Number LG482-1 (Pg. 14). This report shows activity that reflects a receipt transaction for that particular month and one or more of the elements are excessive as described at the end each Inventory Manager. An element is considered to be excessive when:

   (2)   EXPENDABLE (Categories 3-4-5-D-E)

   NBR DAYS BREAKDATE TO PR DATE IS   => 15   DAYS
   NBR DAYS PR DATE TO PO DATE IS   => 91   DAYS
   NBR DAYS PO DATE TO DOCK DATE IS   => 270 DAYS

(2) EXCHANGE AND REPAIR (Categories 6-F)

NBR DAYS BREAK-DATE TO PR DATE IS   => 20   DAYS
NBR DAYS PR DATE TO PO DATE IS   => 91   DAYS
NBR DAYS PO DATE TO DOCK DATE IS   => 360 DAYS

B. Monthly FAALC/AVN Repair Leadtime Report Number LG482-2 (Pg. 15) and
Monthly Commercial Repair Leadtime Report Number LG482-3 (Pg. 16).
These reports show activity that reflects a receipt transaction for that particular
month and one or more of the elements are excessive as described at the end
of each Inventory Manager.

(1) Monthly FAALC/AVN Repair Leadtime Report Number LG482-2
excessive parameters

REPAIR BREAK-DATE TO ISSUE DATE is   => 31 Days
FAALC/AVN SHOP REPAIR TIME is   => 60 Days

(2) Monthly COMMERCIAL Repair Leadtime Report Number LG482-3
excessive parameters.

NBR DAYS BREAK-DATE TO PR DATE is   => 20   Days
NBR DAYS PR DATE TO PO-DATE is   => 91   Days
NBR DAYS PO DATE TO DOCK-DATE is   => 180 Days

The monthly leadtime reports will reflect only those transactions that were
excessive during the month.

Also this monthly data is stored by segments pending the computations that are accomplished semi-annually and leadtimes are updated as applicable.

3.3 REPORTS

A. Procurement Leadtime Update Report, Report Number LG852-1.

```
                    FEDERAL AVIATION ADMINISTRATION
             LOGISTICS AND INVENTORY SYSTEM(LIS)    RPT #:LG852-1
                 PROCUREMENT LEADTIME UPDATE REPORT  DATE :
ITEM MANGER :                                        PAGE :

                                                     NEW   OLD
NATIONAL                                 CAT/ACCT    LEAD  LEAD
STOCK NUMBER          DESCRIPTION   UI    CODE   PSC  TIME  TIME
XXXX-XX-XXX-XXXX-X    XXXXXXXXXXXX  XX    XX    XXX   XX    XX
XXXX-XX-XXX-XXXX-X    XXXXXXXXXXXX  XX    XX    XXX   XX    XX
XXXX-XX-XXX-XXXX-X    XXXXXXXXXXXX  XX    XX    XXX   XX    XX
```

REPORTS - CONTINUED FROM PAGE 12.

B.   Repair Leadtime Update Report, Report Number LG852-2

```
                    FEDERAL AVIATION ADMINISTRATION
                LOGISTICS AND INVENTORY SYSTEM (LIS)    RPT #:LG852-2
                    REPAIR LEADTIME UPDATE REPORT        DATE :
ITEM MANAGER:                                            PAGE :

                                                        NEW    OLD
NATIONAL                                      CAT/ACCT   LEAD   LEAD
STOCK NUMBER            DESCRIPTION     UI     CODE   RSC  TIME   TIME
XXXX-XX-XXX-XXXX-X      XXXXXXXXXXXXX   XX      XX    XXX   XX     XX
XXXX-XX-XXX-XXXX-X      XXXXXXXXXXXXX   XX      XX    XXX   XX     XX
XXXX-XX-XXX-XXXX-X      XXXXXXXXXXXXX   XX      XX    XXX   XX     XX
```

REPORTS CONTINUED FROM PAGE 13

C.   Monthly Procurement Leadtime Report, Number LG482-1

```
                          FEDERAL AVIATION ADMINISTRATION
                  LOGISTICS AND INVENTORY SYSTEM (LIS)      RPT #:LG482-1
                  MONTHLY PROCUREMENT LEADTIME REPORT        DATE :
ITEM MANAGER :                                              PAGE :


                                              BRK TO   PR TO  PO TO   DOCK TO
NATIONAL                            CAT/ACCT     PR      PO    DOCK    STORAGE
STOCK NUMBER   DESCRIPTION   UI   CODE   PSC   DATE     DATE  DATE     DATE
A.EXPENDABLE (CATEGORIES 3-4-5-D-E): B.EXCHANGE AND REPAIR (CATEGORIES 6-F):

NBR DAYS BRK-DTE TO PR-DATE IS =>15 DAYS. NBR DAYS BRK-DTE TO PR-DTE IS
=>20 DAYS.
NBR DAYS PR-DTE TO PO-DTE IS =>91 DAYS. NBR DAYS PR-DTE TO PO DTE IS
=>91 DAYS.
NBR DAYS PO-DTE TO DOCK-DTE IS =>270 DAYS. NBR DAYS PO-DTE TO DOCK-DTE IS
=>360 DAYS.
```

REPORTS CONTINUED FROM PAGE 14

D. Monthly FAALC/AVN Repair Leadtime Report, Number: LG482-2:

```
                    FEDERAL AVIATION ADMINISTRATION
              LOGISTICS AND INVENTORY SYSTEM (LIS)       RPT #:LG482-2
             MONTHLY FAALC/AVN REPAIR LEADTIME REPORT     DATE :
ITEM MANAGER :                                            PAGE :


                                      REP-BREAK    FAALC/AVN     DOCK TO
NATIONAL                    CAT/ACCT      TO          SHOP       STORAGE
STOCK NUMBER DESCRIPTION UI   CODE   RSC  ISSUE DATE  REPAIR TIME  DATE
             A. EXCESSIVE FAALC / AVN REPAIR
                REPAIR BREAK-DATE TO ISSUE-DATE IS  => 31 DAYS
                FAALC / AVN SHOP REPAIR TIME IS     => 60 DAYS
```

REPORTS CONTINUED FROM PAGE 15

### E.   Monthly Commercial Repair Leadtime Report, Report Number: LG482-3

```
                    FEDERAL AVIATION ADMINISTRATION
                LOGISTICS AND INVENTORY SYSTEM (LIS)        RPT #:LG482-3
               MONTHLY COMMERCIAL REPAIR LEADTIME REPORT     DATE :
ITEM MANAGER :                                               PAGE :


                                              BRK TO  PR TO  PO TO  DOCK TO
NATIONAL                          CAT/ACCT      PR     PO    DOCK   STORAGE
STOCK NUMBER   DESCRIPTION  UI      CODE   RSC  DATE   DATE  DATE    DATE
                A. EXCESSIVE COMMERCIAL REPAIR:
                   NBR DAYS BREAK-DATE TO PR-DATE IS   => 20 DAYS
                   NBR DAYS PR DATE TO PO-DATE IS      => 91 DAYS
                   NBR DAYS PO DATE TO DOCK-DATE       =>180 DAYS
```
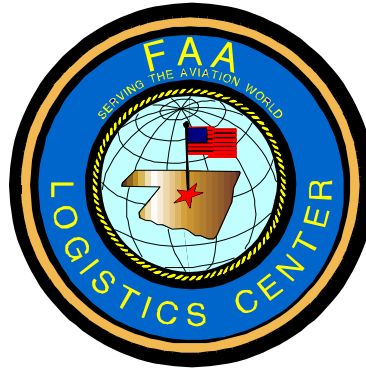
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